



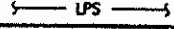





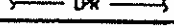

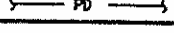



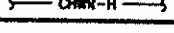



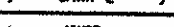

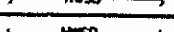

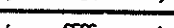

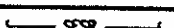



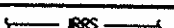

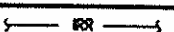







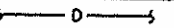

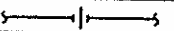

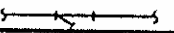



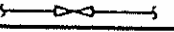





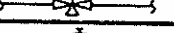



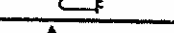

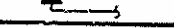



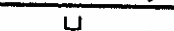















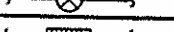

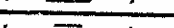

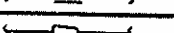

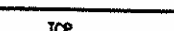









LEGEND

	HPS	HIGH PRESSURE STEAM - 100 PSIG & OVER		SUPPLY AIR DUCT
	MPS	MEDIUM PRESSURE STEAM - 15-100 PSIG		RETURN OR EXHAUST AIR DUCT
	LPS	LOW PRESSURE STEAM - 0-15 PSIG		DUCT CAP
	MPR	HIGH PRESSURE CONDENSATE RETURN		EXISTING DUCTWORK OR PIPING TO REMAIN (SINGLE OR DOUBLE LINE)
	MPR	MEDIUM PRESSURE CONDENSATE RETURN		DUCTWORK TO BE INSTALLED
	LPR	LOW PRESSURE CONDENSATE RETURN		PIPING TO BE INSTALLED
	PD	CONDENSATE PUMPED RETURN		VOLUME DAMPER
	CHWS-H	CHILLED WATER SUPPLY - HIGH ZONE		MOTORIZED DAMPER
	CHWR-H	CHILLED WATER RETURN - HIGH ZONE		FIRE SMOKE DAMPER AND ACCESS DOOR
	CHWS-L	CHILLED WATER SUPPLY - LOW ZONE		EXISTING EQUIPMENT, DUCTWORK OR PIPING TO BE REMOVED (SINGLE OR DOUBLE LINE)
	CHWR-L	CHILLED WATER RETURN - LOW ZONE		CONNECT NEW WORK TO EXISTING
	NWSS	NORTH & WEST ZONE SECONDARY WATER SUPPLY		CFM
	NWSR	NORTH & WEST ZONE SECONDARY WATER RETURN		FPM
	SESS	SOUTH & EAST ZONE SECONDARY WATER SUPPLY		DB
	SESR	SOUTH & EAST ZONE SECONDARY WATER RETURN		WB
	IRS	INTERIOR REHEAT HOT WATER SUPPLY		RPM
	IRRS	INTERIOR REHEAT HOT WATER REVERSED SUPPLY		SP
	IRR	INTERIOR REHEAT HOT WATER RETURN		HP
	IRRR	INTERIOR REHEAT HOT WATER REVERSED RETURN		BHP
	SWS	SECONDARY WATER SUPPLY		PD
	SWR	SECONDARY WATER RETURN		WMS
	D	DRAIN LINE		IS
	U	UNION		BR
	S	STRAINER		TR
	CV	CHECK VALVE		ACS
	GV	GATE VALVE		ACR
	GV	GLOBE VALVE		GPM
	ACV-2	AUTOMATIC CONTROL VALVE (2-WAY)		BTU
	ACV-3	AUTOMATIC CONTROL VALVE (3-WAY)		ST
	LPV	LUBRICATED PLUG VALVE		FC
	CT	CONDENSATE TRAP		EJ
	V	VENT		ATC
	T	THERMOMETER		ALD
	TW	THERMOMETER WELL		AL
	PG	PRESSURE GAUGE		M
	TH	THERMOSTAT		N.O.
	SW	SWITCH		MCC
	SD	SMOKE DETECTOR (DUCT)		N.C.
	SC	SECTION CUT TOP - SECTION MARK "A" BOTTOM DRAWING NO. 1-1		MER
	PA	PIPE ANCHOR		OAI
	EJ	EXPANSION JOINT		AS
	PG	PIPE GUIDE		NIC
	RF	REDUCING FITTING		PA
	TOP	TEMPERATURE CONTROL PANEL		RCS
	TT	TEMPERATURE TRANSMITTER		ACWS
	TD	THERMOMETER (DUCT)		ACWR
	PG	PRESSURE GAUGE		
	FS	FREEZESTAT		

GENERAL NOTES

WORK TO BE DONE UNDER THIS CONTRACT IS SHOWN BY HEAVY LINES AND SUPPLEMENTED BY NOTES ON THE CONTRACT DRAWINGS AND SPECIFICATION BOOKLET.

DIMENSIONS, LOCATIONS AND CONDITIONS SHOWN ARE APPROXIMATE AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO STARTING WORK.

THE INSTALLATION UNDER THIS CONTRACT SHALL INCLUDE ALL INCIDENTAL SERVICES NECESSARY TO MAKE THIS INSTALLATION COMPLETE, FUNCTIONAL AND OPERABLE. THE CONTRACTOR SHALL BE RESPONSIBLE TO PERFORM THE FINAL ACCEPTANCE TEST OF ALL WORK UNDER THIS CONTRACT.

RELOCATE UTILITIES AS REQUIRED TO PERFORM WORK OF THIS CONTRACT. THE CONTRACTOR SHALL SUBMIT DRAWINGS OF THE PROPOSED RELOCATION AND RECEIVE APPROVAL BY THE ENGINEER PRIOR TO RELOCATING UTILITIES. THE CONTRACTOR SHALL PROVIDE FOR REPAIR OF INCIDENTAL DAMAGES RESULTING FROM HIS OPERATIONS OF ALL RELOCATED PARTS TO MAKE OPERABLE TO THE SATISFACTION OF THE ENGINEER.

THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT ALL UTILITIES AND EQUIPMENT FROM DAMAGE IN THE WORK AREAS. ANY UTILITIES AND/OR EQUIPMENT DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED AT THE EXPENSE OF THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.

UNLESS SPECIALLY REQUIRED OTHERWISE, THE CONTRACTOR SHALL CONFORM TO THE MANUFACTURER'S STANDARDS AND RECOMMENDATIONS WHEN INSTALLING EQUIPMENT AND MATERIALS AS APPROVED BY THE ENGINEER.

ALL EQUIPMENT AND MATERIALS SHALL BE INSTALLED AS SHOWN ON CONTRACT DRAWINGS FROM THE CONTRACT DRAWINGS MAY BE MADE ONLY UPON THE APPROVAL OF THE ENGINEER.

THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ADEQUATE VENTILATION TO ENABLE BOTH BUILDING TENANTS AND EQUIPMENT TO CONTINUE UNIMPEDED WITH ITS DAY TO DAY OPERATION WHILE THE CONTRACTOR PERFORMS WORK UNDER THIS CONTRACT.

THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ADEQUATE EXHAUST OF WORK AREAS DURING ALL WELDING ACTIVITIES.

THE CONTRACTOR SHALL SUBMIT DETAILED CONSTRUCTION PHASING PLAN(S) PRIOR TO STARTING WORK UNDER THIS CONTRACT. SUCH PLAN(S) SHALL DETAIL ALL TEMPORARY STRUCTURES, EQUIPMENT NECESSARY FOR THE PROPER HANDLING OF THIS MATERIAL AND EQUIPMENT TO AVOID DAMAGING ANY STRUCTURE AND EQUIPMENT. ALL SUCH PLAN(S) SHALL BE CERTIFIED BY A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF NEW YORK, WHO SHALL BE APPROVED IN ITS ENTIRETY BY THE ENGINEER PRIOR TO COMMENCING THE WORK.

THE CONTRACTOR SHALL PROVIDE ONE WEEK NOTICE TO THE ENGINEER FOR ANY SHUTDOWNS DURING ALL WELDING ACTIVITIES.

THE CONTRACTOR SHALL COORDINATE THE WORK WHICH IS NOT SPECIFICALLY PHASED IN A MANNER TO AVOID CONFLICT WITH PHASES AND TIME FRAMES SET FORTH IN THIS CONTRACT.

THE CONTRACTOR WILL BE REIMBURSED FOR THE FOLLOWING WORK AT THE "NET COST" OF SUCH WORK:

a. REMOVALS, RELOCATIONS AND/OR REPLACEMENT OF EXISTING UTILITY SERVICES WHICH ARE NOT INDICATED ON THE CONTRACT DRAWINGS AND WHICH OBSTRUCT THE INSTALLATION OF WORK OF THIS CONTRACT WHEN SO DIRECTED BY THE ENGINEER.

b. PROVIDING TEMPORARY MECHANICAL HEATING AND/OR COOLING TO TENANT AREAS DURING SHUTDOWNS OF MECHANICAL SYSTEMS, WHEN SO DIRECTED BY THE ENGINEER.

c. PROVIDING REMOTE AUDIBLE AND/OR VISUAL ALARM INDICATION FROM SUBSTATIONS TO LOCAL CONTROL PANELS TO LOCATIONS DESIGNATED BY THE ENGINEER, WHEN SO DIRECTED BY THE ENGINEER.

CONTROLLED INSPECTION (NYC)

CONTROLLED INSPECTION - BUILDING CODE OF THE CITY OF NEW YORK - SECTIONS 27-132 AND 27-136.

1. ALL MATERIALS, EQUIPMENT, AND CONSTRUCTION, DESIGNATED BY THE CODE FOR "CONTROLLED INSPECTION" SHALL BE INSPECTED AND/OR TESTED TO VERIFY COMPLIANCE WITH THE CODE.

2. ALL ITEMS OF WORK NOT SUBJECT TO CONTROLLED INSPECTION ARE SUBJECT TO SEMI-CONTROLLED INSPECTION IN ACCORDANCE WITH THE NYC BUILDING CODE.

3. THE FOLLOWING LIST CONTAINS ITEMS SUBJECT TO CONTROLLED INSPECTION AND THE RELEVANT CODE REFERENCE WHERE APPLICABLE:

ITEM	NYC CODE REFERENCE
VENTILATION SYSTEM	27-779 27-780
HIGH PRESSURE STEAM SYSTEM	RULES AND REGULATIONS FOR HIGH PRESSURE STEAM PIPING.